الملاحـق

APPENDICES

APPENDIX I

CUMULATIVE PROBABILITIES OF THE NORMAL DISTRIBUTION
(Areas under the Standardized Normal Curve from $-\infty$ to Z)

Z	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	0.5000	0.5040	0.5080	0.5120	0.5160	0.5199	0.5239	0.5279	0.5319	0.5359
0.1	0.5389	0.5438	0.5478	0.5517	0.5557	0.5596	0.5636	0.5675	0.5714	0.5753
0.2	0.5793	0.5832	0.5871	0.5910	0.5948	0.5987	0.6026	0.6064	0.6103	0.6141
0.3	0.6179	0.6217	0.6255	0.6293	0.6331	0.6368	0.6406	0.6443	0.6480	0.6517
0.4	0.6554	0.6591	0.6628	0.6664	0.6700	0.6736	0.6772	0.6808	0.6844	0.6879
0.5	0.6915	0.6950	0.6985	0.7019	0.7054	0.7088	0.7123	0.7157	0.7190	0.7224
0.6	0.7257	0.7291	0.7324	0.7357	0.7389	0.7422	0.7454	0.7486	0.7517	0.7549
0.7	0.7580	0.7611	0.7642	0.7673	0.7704	0.7734	0.7764	0.7794	0.7823	0.7852
0.8	0.7881	0.7910	0.7939	0.7967	0.7995	0.8023	0.8051	0.8078	0.8106	0.8133
0.9	0.8159	0.8186	0.8212	0.8238	0.8264	0.8289	0.8315	0.8340	0.8365	0.8389
1.0	0.8413	0.8438	0.8461	0.8485	0.8508	0.8531	0.8554	0.8577	0.8599	0.8621
1.1	0.8643	0.8665	0.8686	0.8708	0.8729	0.8749	0.8770	0.8790	0.8810	0.8830
1.2	0.8849	0.8869	0.8888	0.8907	0.8925	0.8944	0.8962	0.8980	0.8997	0.9015
1.3	0.9032	0.9049	0.9066	0.9082	0.9099	0.9115	0.9131	0.9147	0.9162	0.9177
1.4	0.9192	0.9207	0.9222	0.9236	0.9251	0.9265	0.9279	0.9292	0.9306	0.9319
1.5	0.9332	0.9345	0.9357	0.9370	0.9382	0.9394	0.9406	0.9418	0.9429	0.9441
1.6	0.9452	0.9463	0.9474	0.9484	0.9495	0.9505	0.9515	0.9525	0.9535	0.9545
1.7	0.9554	0.9564	0.9573	0.9582	0.9591	0.9599	0.9608	0.9616	0.9625	0.9633
1.8	0.9641	0.9649	0.9656	0.9664	0.9671	0.9678	0.9686	0.9693	0.9699	0.9706
1.9	0.9713	0.9719	0.9726	0.9732	0.9738	0.9744	0.9750	0.9756	0.9761	0.9767
2.0	0.9772	0.9778	0.9783	0.9788	0.9793	0.9798	0.9803	0.9808	0.9812	0.9817
2.1	0.9821	0.9826	0.9830	0.9834	0.9838	0.9842	0.9846	0.9850	0.9854	0.9857
2.2	0.9861	0.9864	0.9868	0.9871	0.9875	0.9878	0.9881	0.9884	0.9887	0.9890
2.3	0.9893	0.9896	0.9898	0.9901	0.9904	0.9906	0.9909	0.9911	0.9913	0.9916
2.4	0.9918	0.9920	0.9922	0.9925	0.9927	0.9929	0.9931	0.9932	0.9934	0.9936
2.5	0.9938	0.9940	0.9941	0.9943	0.9945	0.9946	0.9948	0.9949	0.9951	0.9952
2.6	0.9953	0.9955	0.9956	0.9957	0.9959	0.9960	0.9961	0.9962	0.9963	0.9964
2.7	0.9965	0.9966	0.9967	0.9968	0.9969	0.9970	0.9971	0.9972	0.9973	0.9974
2.8	0.9974	0.9975	0.9976	0.9977	0.9977	0.9978	0.9979	0.9979	0.9980	0.9981
2.9	0.9981	0.9982	0.9982	0.9983	0.9984	0.9984	0.9985	0.9985	0.9986	0.9986
3.0	0.9987	0.9987	0.9987	0.9988	0.9988	0.9989	0.9989	0.9989	0.9990	0.9990
3.1	0.9990	0.9991	0.9991	0.9991	0.9992	0.9992	0.9992	0.9992	0.9993	0.9993
3.2	0.9993	0.9993	0.9994	0.9994	0.9994	0.9994	0.9994	0.9995	0.9995	0.9995
3.3	0.9995	0.9995	0.9995	0.9996	0.9996	0.9996	0.9996	0.9996	0.9996	0.9997
3.4	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9998

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APPENDIX II

LEARNING CURVE TABLES

95%

UNIT NUMBER	TIME FOR UNIT	CUMULATIVE TOTAL TIME FOR ALL UNITS	CUMULATIVE AVERAGE TIME OVER ALL UNITS
1	1.0000	1.0000	1.0000
2	0.9500	1.9500	0.9750
4	0.9025	3.7744	0.9436
5	0.8877	4.6621	0.9324
7	0.8559	6.4039	0.9148
10	0.8433	8.9545	0.8954
15	0.8184	13.0921	0.8728
20	0.8012	17.1302	0.8565
25	0.7880	21.0955	0.8438
30	0.7775	25.0032	0.8334
40	0.7611	32.6838	0.8171
50	0.7486	40.2239	0.8045
70	0.7302	54.9924	0.7856
100	0.7112	76.5864	0.7659
200	0.6756	145.6929	0.7285
300	0.6557	212.1772	0.7073
400	0.6419	277.0121	0.6925
500	0.6314	340.6472	0.6813
700	0.6158	465.2648	0.6647
1,000	0.5998	647.4463	0.6474
1,500	0.5821	942.5870	0.6284
2,000	0.5698	1,230.3796	0.6152
2,500	0.5605	1,512.8486	0.6051
3,000	0.5530	1,791.1396	0.5970
3,500	0.5467	2,066.0035	0.5903
4,000	0.5413	2,337.9672	0.5845
5,000	0.5325	2,874.4123	0.5749

90%

UNIT NUMBER	TIME FOR UNIT	CUMULATIVE TOTAL TIME FOR ALL UNITS	CUMULATIVE AVERAGE TIME OVER ALL UNITS
1	1.0000	1.0000	1.0000
2	0.9000	1.9000	0.9500
4	0.8100	3.5562	0.8891
5	0.7830	4.3391	0.8678
7	0.7438	5.8447	0.8350
10	0.7047	7.9945	0.7994
15	0.6626	11.3837	0.7589
20	0.6342	14.6078	0.7304
25	0.6131	17.7132	0.7085
30	0.5963	20.7269	0.6909
40	0.5708	26.5427	0.6636
50	0.5518	32.1420	0.6428
70	0.5243	42.8706	0.6124
100	0.4966	58.1410	0.5814
200	0.4469	104.9641	0.5248
300	0.4202	148.2040	0.4940
400	0.4022	189.2678	0.4732
500	0.3889	228.7851	0.4576
700	0.3694	304.4737	0.4350
1,000	0.3499	412.1718	0.4122
1,500	0.3290	581.4952	0.3877
2,000	0.3149	742.2854	0.3711
2,500	0.3044	897.0392	0.3588
3,000	0.2961	1,047.0770	0.3490
3,500	0.2893	1,193.3681	0.3410
4,000	0.2834	1,336.5057	0.3341
5,000	0.2740	1,614.6705	0.3229

85%

UNIT NUMBER	TIME FOR UNIT	CUMULATIVE TOTAL TIME FOR ALL UNITS	CUMULATIVE AVERAGE TIME OVER ALL UNITS
1	1.0000	1.0000	1.0000
2	0.8500	1.8500	0.9250
4	0.7225	3.3454	0.8364
5	0.6857	4.0310	0.8062
7	0.6337	5.3217	0.7602
10	0.5828	7.1161	0.7116
15	0.5100	9.8611	0.6574
20	0.4954	12.4023	0.6201
25	0.4701	14.8007	0.5920
30	0.4505	17.0907	0.5697
40	0.4211	21.4252	0.5356
50	0.3996	25.5131	0.5103
70	0.3693	33.1604	0.4738
100	0.3397	43.7539	0.4375
200	0.2887	74.7885	0.3739
300	0.2625	102.2301	0.3408
400	0.2454	127.5690	0.3189
500	0.2329	151.4504	0.3029
700	0.2152	196.1544	0.2802
1,000	0.1980	257.9180	0.2579
1,500	0.1800	352.0333	0.2347
2,000	0.1683	438.9276	0.2195
2,500	0.1597	520.8187	0.2083
3,000	0.1530	598.9313	0.1996
3,500	0.1476	674.0355	0.1926
4,000	0.1430	746.6567	0.1867
5,000	0.1357	885.8752	0.1772

80%

UNIT NUMBER	TIME FOR UNIT	CUMULATIVE TOTAL TIME FOR ALL UNITS	CUMULATIVE AVERAGE TIME OVERALL UNITS
1	1.0000	1.0000	1.0000
2	0.8000	1.8000	0.9000
4	0.6400	3.1421	0.7855
5	0.5956	3.7378	0.7475
7	0.5345	4.8340	0.6906
10	0.4765	6.3154	0.6315
15	0.4182	8.5105	0.5674
20	0.3812	10.4849	0.5242
25	0.3548	12.3086	0.4923
30	0.3346	14.0199	0.4673
40	0.3050	17.1935	0.4298
50	0.2838	20.1217	0.4024
70	0.2547	25.4708	0.3639
100	0.2271	32.6508	0.3265
200	0.1816	52.7200	0.2636
300	0.1594	69.6634	0.2322
400	0.1453	84.8487	0.2121
500	0.1352	98.8472	0.1977
700	0.1214	124.3984	0.1777
1,000	0.1082	158.6709	0.1587
1,500	0.0950	209.1580	0.1394
2,000	0.0866	254.3996	0.1272
2,500	0.0806	296.1018	0.1184
3,000	0.0760	355.1843	0.1117
3,500	0.0723	372.2146	0.1063
4,000	0.0692	407.5742	0.1019
5,000	0.0644	474.3001	0.0949

75%

UNIT NUMBER	TIME FOR UNIT	CUMULATIVE TOTAL TIME FOR ALL UNITS	CUMULATIVE AVERAGE TIME OVERALL UNITS
1	1.0000	1.0000	1.0000
2	0.7500	1.7500	0.8750
4	0.5625	2.9463	0.7366
5	0.5127	3.4591	0.6918
7	0.4459	4.3837	0.6258
10	0.3846	5.5886	0.5589
15	0.3250	7.3190	0.4879
20	0.2884	8.8284	0.4414
25	0.2629	10.1907	0.4076
30	0.2437	11.4458	0.3815
40	0.2163	13.7232	0.3531
50	0.1972	15.7761	0.3155
70	0.1715	19.4296	0.2776
100	0.1479	24.1786	0.2418
200	0.1109	36.8007	0.1840
300	0.0937	46.9427	0.1565
400	0.0832	55.7577	0.1394
500	0.0758	63.6753	0.1274
700	0.0659	77.7693	0.1111
1,000	0.0569	96.0728	0.0961
1,500	0.0481	122.0917	0.0814
2,000	0.0427	144.6762	0.0723
2,500	0.0389	165.0079	0.0660
3,000	0.0360	183.7078	0.0612
3,500	0.0338	201.1512	0.0575
4,000	0.0320	217.5865	0.0544
5,000	0.0292	247.5119	0.0495

Appendix III (continued)

λ OR np	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2.2	0.111	0.355	0.623	0.819	0.928	0.975	0.993	0.998	1.000	1.000							
2.4	0.091	0.308	0.570	0.779	0.904	0.964	0.988	0.997	0.999	1.000							
2.6	0.074	0.267	0.518	0.736	0.877	0.951	0.983	0.995	0.999	1.000							
2.8	0.061	0.231	0.469	0.692	0.848	0.935	0.976	0.992	0.998	0.999	1.000						
3.0	0.050	0.199	0.423	0.647	0.815	0.916	0.966	0.988	0.996	0.999	1.000						
3.2	0.041	0.171	0.380	0.603	0.781	0.895	0.955	0.983	0.994	0.998	1.000	1.000					
3.4	0.033	0.147	0.340	0.558	0.744	0.871	0.942	0.977	0.992	0.997	0.999	1.000					
3.6	0.027	0.126	0.303	0.515	0.706	0.844	0.927	0.969	0.988	0.996	0.999	1.000					
3.8	0.022	0.107	0.269	0.473	0.668	0.816	0.909	0.960	0.984	0.994	0.998	0.999	1.000				
4.0	0.018	0.092	0.238	0.433	0.629	0.785	0.889	0.949	0.979	0.992	0.997	0.999	1.000				
4.2	0.015	0.078	0.210	0.395	0.590	0.753	0.867	0.936	0.972	0.989	0.996	0.999	1.000	1.000			
4.4	0.012	0.066	0.185	0.359	0.551	0.720	0.844	0.921	0.964	0.985	0.994	0.998	0.999	1.000			
4.6	0.010	0.056	0.163	0.326	0.513	0.686	0.818	0.905	0.955	0.980	0.992	0.997	0.999	1.000			
4.8	0.008	0.048	0.143	0.294	0.476	0.651	0.791	0.887	0.944	0.975	0.990	0.996	0.999	1.000			
5.0	0.007	0.040	0.125	0.265	0.440	0.616	0.762	0.867	0.932	0.968	0.986	0.995	0.998	0.999	1.000		
5.2	0.006	0.034	0.109	0.238	0.406	0.581	0.732	0.845	0.918	0.960	0.982	0.993	0.997	0.999	1.000	1.000	
5.4	0.005	0.029	0.095	0.213	0.373	0.546	0.702	0.822	0.903	0.951	0.977	0.990	0.996	0.999	1.000	1.000	
5.6	0.004	0.024	0.082	0.191	0.342	0.512	0.670	0.797	0.886	0.941	0.972	0.988	0.995	0.998	0.999	1.000	
5.8	0.003	0.021	0.072	0.170	0.313	0.478	0.638	0.771	0.867	0.929	0.965	0.984	0.993	0.997	0.999	1.000	1.000
6.0	0.002	0.017	0.062	0.151	0.285	0.446	0.606	0.744	0.847	0.916	0.957	0.980	0.991	0.996	0.999	0.999	1.000

APPENDIX III
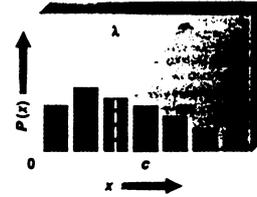
CUMULATIVE POISSON PROBABILITIES $P(x \leq c \mid \lambda) = \sum_{x=0}^{x=c} \frac{\lambda^x e^{-\lambda}}{x!}$

λ OR np'	0	1	2	3	4	5	6	7	8	9
0.02	0.980	1.000								
0.04	0.961	0.999	1.000							
0.06	0.942	0.998	1.000							
0.08	0.923	0.997	1.000							
0.10	0.905	0.995	1.000							
0.15	0.861	0.990	0.999	1.000						
0.20	0.819	0.982	0.999	1.000						
0.25	0.779	0.974	0.998	1.000						
0.30	0.741	0.963	0.996	1.000						
0.35	0.705	0.951	0.994	1.000						
0.40	0.670	0.938	0.992	0.999	1.000					
0.45	0.638	0.925	0.989	0.999	1.000					
0.50	0.607	0.910	0.986	0.998	1.000					
0.55	0.577	0.894	0.982	0.998	1.000					
0.60	0.549	0.878	0.977	0.997	1.000					
0.65	0.522	0.861	0.972	0.996	0.999	1.000				
0.70	0.497	0.844	0.966	0.994	0.999	1.000				
0.75	0.472	0.827	0.959	0.993	0.999	1.000				
0.80	0.449	0.809	0.953	0.991	0.999	1.000				
0.85	0.427	0.791	0.945	0.989	0.998	1.000				
0.90	0.407	0.772	0.937	0.987	0.998	1.000				
0.95	0.387	0.754	0.929	0.984	0.997	1.000				
1.00	0.368	0.736	0.920	0.981	0.996	0.999	1.000			
1.10	0.333	0.699	0.900	0.974	0.995	0.999	1.000			
1.20	0.301	0.663	0.879	0.966	0.992	0.998	1.000			
1.30	0.273	0.627	0.857	0.957	0.989	0.998	1.000			
1.40	0.247	0.592	0.833	0.946	0.986	0.997	0.999	1.000		
1.50	0.223	0.558	0.809	0.934	0.981	0.996	0.999	1.000		
1.60	0.202	0.525	0.783	0.921	0.976	0.994	0.999	1.000		
1.70	0.183	0.493	0.757	0.907	0.970	0.992	0.998	1.000		
1.80	0.165	0.463	0.731	0.891	0.964	0.990	0.997	0.999	1.000	
1.90	0.150	0.434	0.704	0.875	0.956	0.987	0.997	0.999	1.000	
2.00	0.135	0.406	0.677	0.857	0.947	0.983	0.995	0.999	1.000	

Appendix III (continued)

λ OR np	0	1	2	3	4	5	6	7	8	9
6.2	0.002	0.015	0.054	0.134	0.259	0.414	0.574	0.716	0.826	0.902
6.4	0.002	0.012	0.046	0.119	0.235	0.384	0.542	0.687	0.803	0.886
6.6	0.001	0.010	0.040	0.105	0.213	0.355	0.511	0.658	0.780	0.869
6.8	0.001	0.009	0.034	0.093	0.192	0.327	0.480	0.628	0.755	0.850
7.0	0.001	0.007	0.030	0.082	0.173	0.301	0.450	0.599	0.729	0.830
7.2	0.001	0.006	0.025	0.072	0.156	0.276	0.420	0.569	0.703	0.810
7.4	0.001	0.005	0.022	0.063	0.140	0.253	0.392	0.539	0.676	0.788
7.6	0.001	0.004	0.019	0.055	0.125	0.231	0.365	0.510	0.648	0.765
7.8	0.000	0.004	0.016	0.048	0.112	0.210	0.338	0.481	0.620	0.741
8.0	0.000	0.003	0.014	0.042	0.100	0.191	0.313	0.453	0.593	0.717
8.5	0.000	0.002	0.009	0.030	0.074	0.150	0.256	0.386	0.523	0.653
9.0	0.000	0.001	0.006	0.021	0.055	0.116	0.207	0.324	0.456	0.587
9.5	0.000	0.001	0.004	0.015	0.040	0.089	0.165	0.269	0.392	0.522
10.0	0.000	0.000	0.003	0.010	0.029	0.067	0.130	0.220	0.333	0.458

	10	11	12	13	14	15	16	17	18	19
6.2	0.949	0.975	0.989	0.995	0.998	0.999	1.000			
6.4	0.939	0.969	0.986	0.994	0.997	0.999	1.000			
6.6	0.927	0.963	0.982	0.992	0.997	0.999	0.999	1.000		
6.8	0.915	0.955	0.978	0.990	0.996	0.998	0.999	1.000		
7.0	0.901	0.947	0.973	0.987	0.996	0.998	0.999	1.000		
7.2	0.887	0.937	0.967	0.984	0.993	0.997	0.999	0.999	1.000	
7.4	0.871	0.926	0.961	0.980	0.991	0.996	0.998	0.999	1.000	
7.6	0.854	0.915	0.954	0.976	0.989	0.995	0.998	0.999	1.000	
7.8	0.835	0.902	0.945	0.971	0.986	0.993	0.997	0.999	1.000	
8.0	0.816	0.888	0.936	0.966	0.983	0.992	0.996	0.998	0.999	1.000
8.5	0.763	0.849	0.909	0.949	0.973	0.986	0.993	0.997	0.999	0.999
9.0	0.706	0.803	0.876	0.926	0.959	0.978	0.989	0.995	0.998	0.999
9.5	0.645	0.752	0.836	0.898	0.940	0.967	0.982	0.991	0.996	0.998
10.0	0.583	0.697	0.792	0.864	0.917	0.951	0.973	0.986	0.993	0.997

	20	21	22
8.5	1.000		
9.0	1.000		
9.5	0.999	1.000	
10.0	0.998	0.999	1.000

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Appendix III (continued)

λ OR np / c	0	1	2	3	4	5	6	7	8	9
10.5	0.000	0.000	0.002	0.007	0.021	0.050	0.102	0.179	0.279	0.397
11.0	0.000	0.000	0.001	0.005	0.015	0.038	0.079	0.143	0.232	0.341
11.5	0.000	0.000	0.001	0.003	0.011	0.028	0.060	0.114	0.191	0.289
12.0	0.000	0.000	0.001	0.002	0.008	0.020	0.046	0.090	0.155	0.242
12.5	0.000	0.000	0.000	0.002	0.005	0.015	0.035	0.070	0.125	0.201
13.0	0.000	0.000	0.000	0.001	0.004	0.011	0.026	0.054	0.100	0.166
13.5	0.000	0.000	0.000	0.001	0.003	0.008	0.019	0.041	0.079	0.135
14.0	0.000	0.000	0.000	0.000	0.002	0.006	0.014	0.032	0.062	0.109
14.5	0.000	0.000	0.000	0.000	0.001	0.004	0.010	0.024	0.048	0.088
15.0	0.000	0.000	0.000	0.000	0.001	0.003	0.008	0.018	0.037	0.070

	10	11	12	13	14	15	16	17	18	19
10.5	0.521	0.639	0.742	0.825	0.888	0.932	0.960	0.978	0.988	0.994
11.0	0.460	0.579	0.689	0.781	0.854	0.907	0.944	0.968	0.982	0.991
11.5	0.402	0.520	0.633	0.733	0.815	0.878	0.924	0.954	0.974	0.986
12.0	0.347	0.462	0.576	0.682	0.772	0.844	0.899	0.937	0.963	0.979
12.5	0.297	0.406	0.519	0.628	0.725	0.806	0.869	0.916	0.948	0.969
13.0	0.252	0.353	0.463	0.573	0.675	0.764	0.835	0.890	0.930	0.957
13.5	0.211	0.304	0.409	0.518	0.623	0.718	0.798	0.861	0.908	0.942
14.0	0.176	0.260	0.358	0.464	0.570	0.669	0.756	0.827	0.883	0.923
14.5	0.145	0.220	0.311	0.413	0.518	0.619	0.711	0.790	0.853	0.901
15.0	0.118	0.185	0.268	0.363	0.466	0.568	0.664	0.749	0.819	0.875

	20	21	22	23	24	25	26	27	28	29
10.5	0.997	0.999	0.999	1.000						
11.0	0.995	0.998	0.999	1.000						
11.5	0.992	0.996	0.998	0.999	1.000					
12.0	0.988	0.994	0.997	0.999	0.999	1.000				
12.5	0.983	0.991	0.995	0.998	0.999	0.999	1.000			
13.0	0.975	0.986	0.992	0.996	0.998	0.999	1.000			
13.5	0.965	0.980	0.989	0.994	0.997	0.998	0.999	1.000		
14.0	0.952	0.971	0.983	0.991	0.995	0.997	0.999	0.999	1.000	
14.5	0.936	0.960	0.976	0.986	0.992	0.996	0.998	0.999	0.999	1.000
15.0	0.917	0.947	0.967	0.981	0.989	0.994	0.997	0.998	0.999	1.000

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Appendix III (continued)

λ OR np	4	5	6	7	8	9	10	11	12	13
16	0.000	0.001	0.004	0.010	0.022	0.043	0.077	0.127	0.193	0.275
17	0.000	0.001	0.002	0.005	0.013	0.026	0.049	0.085	0.135	0.201
18	0.000	0.000	0.001	0.003	0.007	0.015	0.030	0.055	0.092	0.143
19	0.000	0.000	0.001	0.002	0.004	0.009	0.018	0.035	0.061	0.098
20	0.000	0.000	0.000	0.001	0.002	0.005	0.011	0.021	0.039	0.066
21	0.000	0.000	0.000	0.000	0.001	0.003	0.006	0.013	0.025	0.043
22	0.000	0.000	0.000	0.000	0.001	0.002	0.004	0.008	0.015	0.028
23	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.004	0.009	0.017
24	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.003	0.005	0.011
25	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.003	0.006

	14	15	16	17	18	19	20	21	22	23
16	0.368	0.467	0.566	0.659	0.742	0.812	0.868	0.911	0.942	0.963
17	0.281	0.371	0.468	0.564	0.655	0.736	0.805	0.861	0.905	0.937
18	0.208	0.287	0.375	0.469	0.562	0.651	0.731	0.799	0.855	0.899
19	0.150	0.215	0.292	0.378	0.469	0.561	0.647	0.725	0.793	0.849
20	0.105	0.157	0.221	0.297	0.381	0.470	0.559	0.644	0.721	0.787
21	0.072	0.111	0.163	0.227	0.302	0.384	0.471	0.558	0.640	0.716
22	0.048	0.077	0.117	0.169	0.232	0.306	0.387	0.472	0.556	0.637
23	0.031	0.052	0.082	0.123	0.175	0.238	0.310	0.389	0.472	0.555
24	0.020	0.034	0.056	0.087	0.128	0.180	0.243	0.314	0.392	0.473
25	0.012	0.022	0.038	0.060	0.092	0.134	0.185	0.247	0.318	0.394

	24	25	26	27	28	29	30	31	32	33
16	0.978	0.987	0.993	0.996	0.998	0.999	0.999	1.000		
17	0.959	0.975	0.985	0.991	0.995	0.997	0.999	0.999	1.000	
18	0.932	0.955	0.972	0.983	0.990	0.994	0.997	0.998	0.999	1.000
19	0.893	0.927	0.951	0.969	0.980	0.988	0.993	0.996	0.998	0.999
20	0.843	0.888	0.922	0.948	0.966	0.978	0.987	0.992	0.995	0.997
21	0.782	0.838	0.883	0.917	0.944	0.963	0.976	0.985	0.991	0.994
22	0.712	0.777	0.832	0.877	0.913	0.940	0.959	0.973	0.983	0.989
23	0.635	0.708	0.772	0.827	0.873	0.908	0.936	0.956	0.971	0.981
24	0.554	0.632	0.704	0.768	0.823	0.868	0.904	0.932	0.953	0.969
25	0.473	0.553	0.629	0.700	0.763	0.818	0.863	0.900	0.929	0.950

	34	35	36	37	38	39	40	41	42	43
19	0.999	1.000								
20	0.999	0.999	1.000							
21	0.997	0.998	0.999	0.999	1.000					
22	0.994	0.996	0.998	0.999	0.999	1.000				
23	0.988	0.993	0.996	0.997	0.999	0.999	1.000			
24	0.979	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	
25	0.966	0.978	0.985	0.991	0.994	0.997	0.998	0.999	0.999	1.000

RANDOM DIGITS

52 01 77 67	75 24 63 38	49 35 24 94	21 81 65 44	29 27 49 45
80 50 54 31	64 05 18 81	54 99 76 54	38 55 37 63	82 29 16 65
45 29 96 34	26 89 80 93	96 31 53 07	28 60 26 55	08 03 36 06
68 54 02 00	45 42 72 68	80 80 83 91	40 05 64 18	43 62 76 59
59 46 73 48	01 39 09 22	05 88 52 36	38 21 45 98	17 17 68 33
48 11 76 74	87 37 92 52	17 90 05 97	08 92 00 48	19 92 91 70
12 43 56 35	20 11 74 52	23 46 14 06	05 08 23 41	40 30 97 32
35 09 98 17	01 75 87 53	56 54 14 30	22 20 64 13	62 38 85 79
91 62 68 03	19 47 60 72	15 51 49 38	70 72 58 15	49 12 56 24
89 32 05 05	36 16 81 08	86 43 19 94	20 73 17 90	27 38 84 35
35 44 13 18	45 24 02 84	08 62 48 26	58 26 05 27	50 07 39 98
37 54 87 30	41 94 15 09	18 51 62 32	21 15 94 66	77 56 78 51
94 62 46 11	96 38 27 07	95 10 04 06	92 74 59 73	71 17 78 17
00 38 75 95	71 96 12 82	75 24 91 40	70 14 66 70	60 91 10 62
77 93 89 19	98 14 50 65	63 33 25 37	52 28 25 62	47 83 41 13
80 81 45 17	77 55 73 22	02 94 39 02	49 91 45 23	68 47 92 76
36 04 09 03	80 99 33 71	17 84 56 11	33 69 45 98	26 94 03 68
88 46 12 33	52 07 98 48	66 44 98 83	10 48 19 49	85 15 74 79
15 02 00 99	31 24 96 47	32 47 79 28	55 07 37 42	11 10 00 20
01 84 87 69	87 63 79 19	07 49 41 38	60 64 93 29	16 50 53 44
09 73 25 33	60 97 09 34	10 94 05 58	19 69 04 46	26 45 74 77
54 20 48 05	29 40 52 42	72 56 82 48	47 44 52 66	95 27 07 99
42 26 89 53	18 47 54 06	74 67 00 78	55 72 85 73	67 89 75 43
01 90 25 29	90 36 47 64	76 66 79 51	48 11 62 13	97 34 40 87
80 79 99 70	93 78 56 13	82 60 89 28	52 37 83 17	73 20 88 98
06 57 47 17	73 03 95 71	04 77 69 74	65 33 71 24	76 52 01 35
06 01 08 05	21 11 57 82	31 82 23 74	23 28 72 95	64 89 47 42
26 97 76 02	45 52 16 42	23 60 02 10	90 10 33 93	19 64 50 93
57 33 21 35	76 62 11 39	93 68 72 03	78 56 52 01	09 37 67 07
79 64 57 53	96 29 77 88	42 75 67 88	70 61 74 29	80 15 73 61
99 90 88 96	94 75 08 99	16 28 35 54	85 39 41 18	34 07 27 68
43 54 85 81	53 14 03 33	29 73 41 35	97 11 89 63	45 57 18 24
15 12 33 87	57 60 04 08	97 92 65 75	84 96 28 52	02 05 16 56
86 10 25 91	96 64 48 94	86 07 46 97	20 82 66 95	05 32 54 70
01 02 46 74	43 65 17 70	21 95 25 63	05 01 45 11	03 52 96 47
79 01 71 19	65 39 45 95	92 43 37 29	80 95 90 91	67 35 48 76
33 51 29 69	82 39 61 01	36 78 38 48	20 63 61 04	80 52 40 37
38 17 15 39	91 19 04 25	62 24 44 31	15 95 33 47	20 90 25 60
29 53 68 70	03 07 11 20	86 84 87 67	88 67 67 43	31 13 11 65
58 40 44 01	26 25 22 96	93 59 14 16	98 95 11 68	03 23 66 53
39 09 47 34	61 96 27 93	86 25 10 25	65 81 33 98	69 73 61 70
88 69 51 19	54 69 28 23	11 96 38 96	86 79 90 94	30 34 26 14
25 01 62 52	77 97 45 00	35 13 54 62	73 05 38 52	66 57 48 18
74 85 22 05	13 02 12 48	60 94 97 00	28 46 82 87	55 35 75 48
05 45 56 14	93 91 08 36	28 14 40 77	60 93 52 03	80 83 42 82
52 52 75 80	86 74 31 71	56 70 70 07	14 90 56 86	17 46 85 09
56 12 71 92	18 74 39 24	95 66 00 00	39 80 82 77	17 72 70 80
09 97 33 34	66 67 43 68	41 92 15 85	06 28 89 80	77 40 27 72
32 30 75 75	59 04 79 00	66 79 45 43	86 50 75 84	66 25 22 91
10 51 82 16	01 54 03 54	88 88 15 53	87 51 76 49	14 22 56 85

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